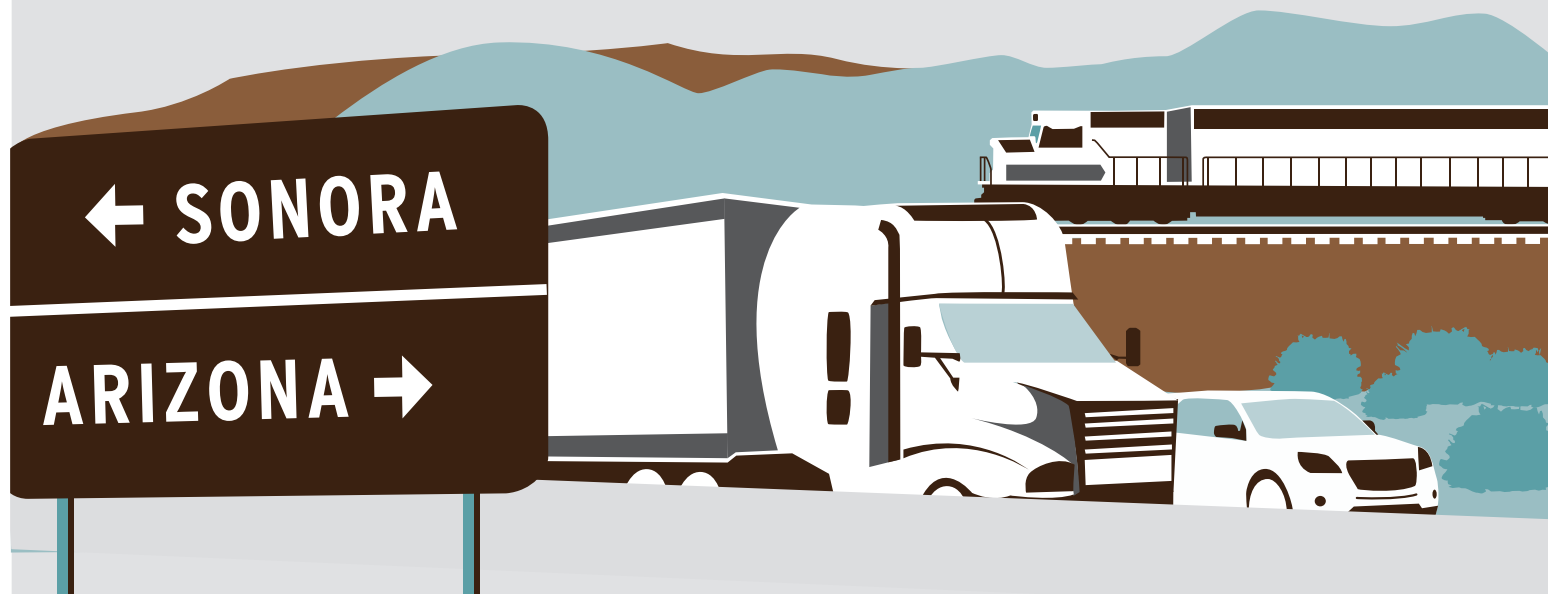


# Work Plan Plan de Trabajo

December 2011  
diciembre 2011

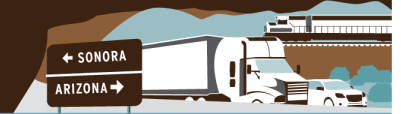


**Arizona-Sonora Border Master Plan**

**Plan Maestro para la Frontera Arizona-Sonora**

# ARIZONA-SONORA BORDER MASTER PLAN

## Final Work Plan



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- Task 3: Analyze Data to Identify Mid and Long Term LPOE and Related  
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### Appendix

**Focus Area Map**

**Area of Influence Map – Option 1**

**Area of Influence Map – Option 2**

**Area of Influence Map – Option 3**

**Work Plan Matrix**



## 1.0 Overview / Objectives

The Arizona-Sonora Border Master Plan (BMP) is a bi-national comprehensive approach to coordinate the planning and delivery of projects to improve Land Ports of Entry (LPOE) and the transportation infrastructure serving these ports in the Arizona-Sonora border region.

The primary objectives of the project are to:

- Objective 1:** Develop and implement a plan for identifying, prioritizing, and promoting LPOE and related transportation projects and services over the short, medium, and long term.
- Objective 2:** Design a process to ensure that relevant stakeholder agencies and entities participate in the planning of LPOE projects and related transportation infrastructure improvements. Agencies will include those at the federal, state, regional, and local levels in both Arizona and Sonora and key non-governmental entities.
- Objective 3:** Increase the understanding of the LPOE and transportation planning processes on both sides of the border.
- Objective 4:** Establish a process for the continued dialogue among federal, state, regional and local stakeholder agencies and key non-governmental entities in Arizona, Sonora, the United States and Mexico that will promote coordination on current and future projects.



## 2.0 Scope of Work

### **TASK 1: Project Initiation & Stakeholder Participation (Objectives 2 & 4)**

#### **Task 1.1 – Establish Policy Advisory Committee and Technical Working Group:**

To facilitate the direction of the Plan, a Policy Advisory Committee (PAC) consisting of executive level managers from each of the participating stakeholder agencies will be created. The PAC will be responsible for providing direction, approving the project parameters and establishing criteria for future project evaluations.

In addition, a Technical Working Group (TWG) composed of senior staff from the agencies participating in the PAC will serve to provide support to the Stantec Project Team throughout the project. The TWG will be responsible for providing requested data and information and making recommendations to the PAC.

#### **Task 1.2 – Develop Stakeholder Outreach Plan:**

A Stakeholder Outreach Plan will be developed to specify all project outreach activities, levels of support and staffing/resource commitments among PAC and TWG members, and appropriate communications protocols and methodologies.

#### **Task 1.3 – Hold a PAC / TWG Kick-off Meeting (12/2011):**

The study team will schedule, prepare for, attend and facilitate the initial meeting for members of both the PAC and TWG.

#### **Task 1.4 – Finalize the Work Plan:**

The completed Work Plan will include detailed information related to:

- Focused Study Area and Area of Influence (refer to Appendix for mapping)
- Planning Horizons
- Project Schedule (refer to Appendix for schedule)
- Anticipated Staffing Needs
- Relevant Documents/Studies
- Milestone Deliverables
- Stakeholder Outreach Plan (provided under separate cover)

### **TASK 2: Assessment – Existing and Future Conditions (Objectives 1, 2, & 3)**

#### **Task 2.1 – Current Conditions Assessment:**

The Arizona-Sonora BMP Team will gather current and projected population and socio-economic data in the border areas. Other data, specific to LPOEs and transportation networks, will also be collected. This includes existing volumes, roadway segment capacities,

# ARIZONA-SONORA BORDER MASTER PLAN

## Final Work Plan



and roadway segment volume/capacity ratios, as well as LPOE wait times, configurations, capacities, hours of operation, and staffing levels/patterns, as available. Planning processes currently used by each participating agency to determine and prioritize transportation and LPOE infrastructure needs will also be documented. The assessment will also include a review of relevant transportation studies to prepare an inventory of planned transportation projects in the Focused Study Area and Area of Influence.

### **Task 2.2 Future Conditions Forecast:**

Projections for future demand for border facilities will be estimated using collected information, appropriate tools, and published studies and reports. An analysis of base LPOE and transportation networks (existing + committed projects) will be conducted to determine effectiveness and deficiencies for meeting Year 2050 travel demand.

### **TASK 3: Analyze Data to Identify Mid and Long Term LPOE and Related Transportation Operational and Infrastructure Needs (Objectives 1, 2, 3 & 4)**

Using data and information collected and assessed in Task 2, mid and long term operation and capital improvement needs and projects for LPOEs and related transportation networks will be identified. If warranted by the forecasts, the needs analysis will identify alternatives, including potential expansion and the location of new LPOE / transportation infrastructures. Included will be an assessment and recommendations for future planning processes to ensure all relevant stakeholder participation.

### **TASK 4: Evaluate Mid and Long Term LPOE and Related Transportation Projects (Objective 1)**

#### **Task 4.1 Define and Gain Consensus on Criteria for Project Prioritization:**

Criteria for evaluation and ranking future (mid and long range) LPOE and related transportation projects will be developed for each mode. The PAC will be responsible for defining and adopting the criteria and associated criteria ranking for establishing project needs and projected schedules based on recommendations from the TWG.

#### **Task 4.2: Rank Mid and Long Term LPOE and Related Transportation Projects:**

Apply prioritization criterion developed and approved in Task 4.1 to Project Lists inventoried in Task 2.1 and additional projects that may have been defined in the Task 3 analysis.

### **TASK 5: Draft and Final Arizona-Sonora BMP (Objectives 1, 2, 3 and 4)**

Compile a draft Arizona-Sonora BMP for review and comment by the TWG. The products prepared throughout the project will be the basis for the document. After addressing comments from the TWG, the TWG will be asked to recommend approval to the PAC. The final BMP will be presented to the PAC for approval.



### 3.0 Study Products

The following is a summary of deliverables to be prepared during the course of the Study:

- Work Plan
- Technical Memo No. 1: Existing Conditions
- Technical Memo No. 2: LPOE Focus Review
- Working Paper No. 1: Existing and Future Conditions
- Technical Memo No. 3: Deficiencies and Alternatives
- Technical Memo No. 4: Interim Conditions
- Working Paper No. 2: Phased Implementation Plan
- Draft Master Plan
- Final Master Plan



## 4.0 Project Management

### PROJECT MANAGEMENT TEAM

#### **Stantec Consulting Services Inc.**

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## Final Work Plan



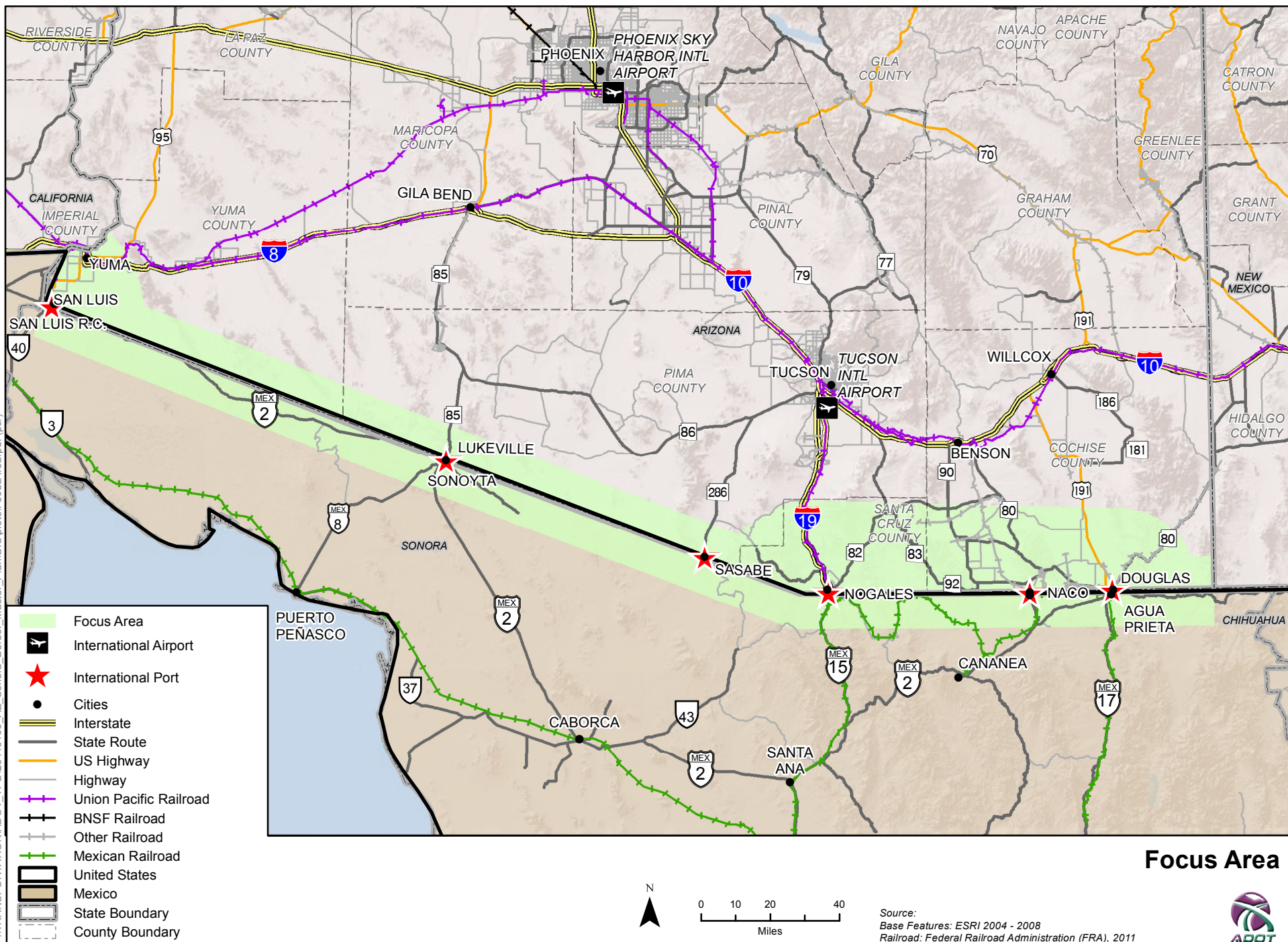
### STUDY SCHEDULE

The project will be completed by December 31, 2012. Planned activities include:

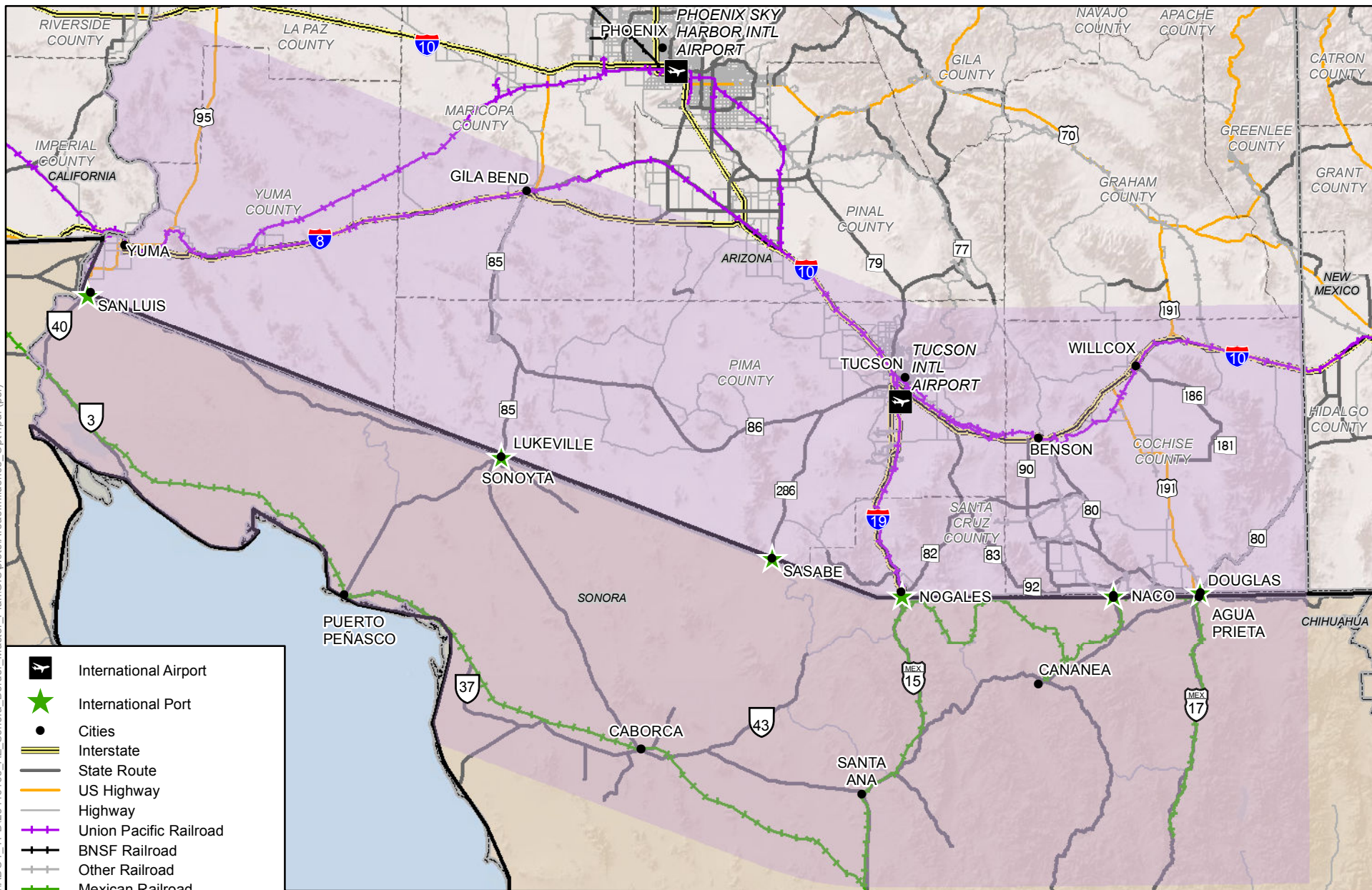
- Combined PAC / TWG Meeting #1 (Tucson) 12/13/2011
- Technical Memo #1 & #2 Submittal 12/30/2011
- Receive Comments on Technical Memos #1 & # 2 1/13/2012
- TWG Meeting #2 (Yuma) 1/17/2012
  - Comment Resolution Technical Memos #1 & # 2
  - Working Paper #1 Status / Data Needs
  - Evaluation Process/Criteria Discussion/Examples
- PAC Meeting #2 (Rocky Point/Puerto Penasco) 2/09/2012
  - ❖ Technical Memos #1 & #2 Overview
  - ❖ Working Paper #1 Overview
  - ❖ Evaluation Process/Criteria Discussion/Examples
- Working Paper #1 Submittal 2/13/2012
- TWG Meeting #3 (Nogales) 2/16/2012
  - Working Paper #1 Walk-through
  - Schedule Review
  - Determine Criteria for Recommendation to PAC / Discuss Criteria Weighting
- Receive Comments on Working Paper #1 3/5/2012
- PAC Meeting #3 (Tucson) 3/08/2012
  - ❖ Working Paper #1 Presentation
  - ❖ Confirm TWG Recommendations on Criteria / Weighting
  - ❖ Next Steps
- Technical Memo #3 3/16/2012
- Receive Comments on Technical Memos #3 3/30/2012



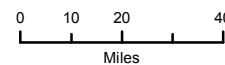
## Appendix



**Focus Area**



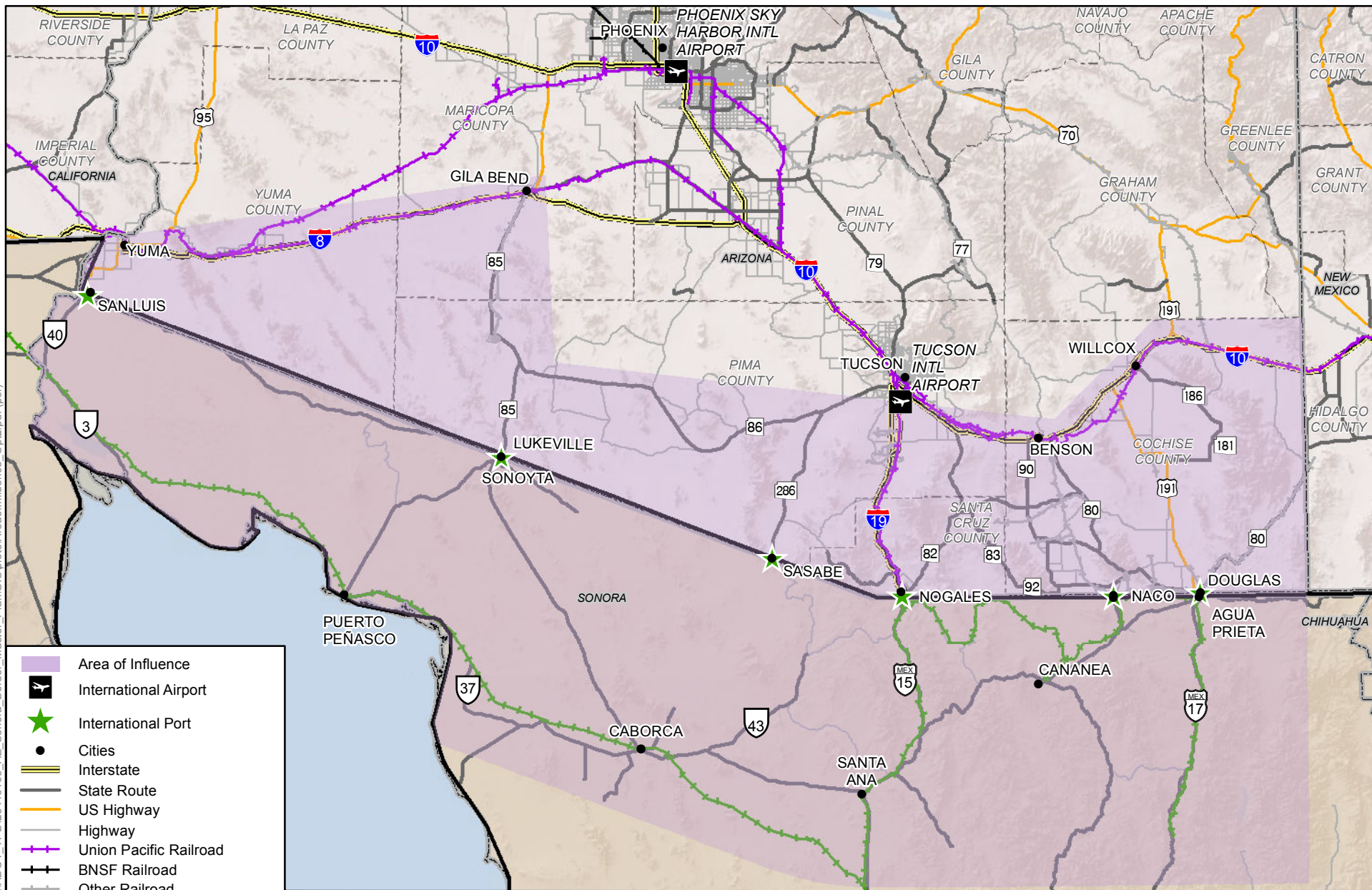
- International Airport
- International Port
- Cities
- Interstate
- State Route
- US Highway
- Highway
- Union Pacific Railroad
- BNSF Railroad
- Other Railroad
- Mexican Railroad
- United States
- Mexico
- State Boundary
- County Boundary
- Area of Influence



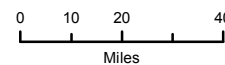
## Area of Influence Option 1

Source:  
Base Features: ESRI 2004 - 2008  
Railroad: Federal Railroad Administration (FRA), 2010





- Area of Influence
- International Airport
- International Port
- Cities
- Interstate
- State Route
- US Highway
- Highway
- Union Pacific Railroad
- BNSF Railroad
- Other Railroad
- Mexican Railroad
- United States
- Mexico
- State Boundary
- County Boundary

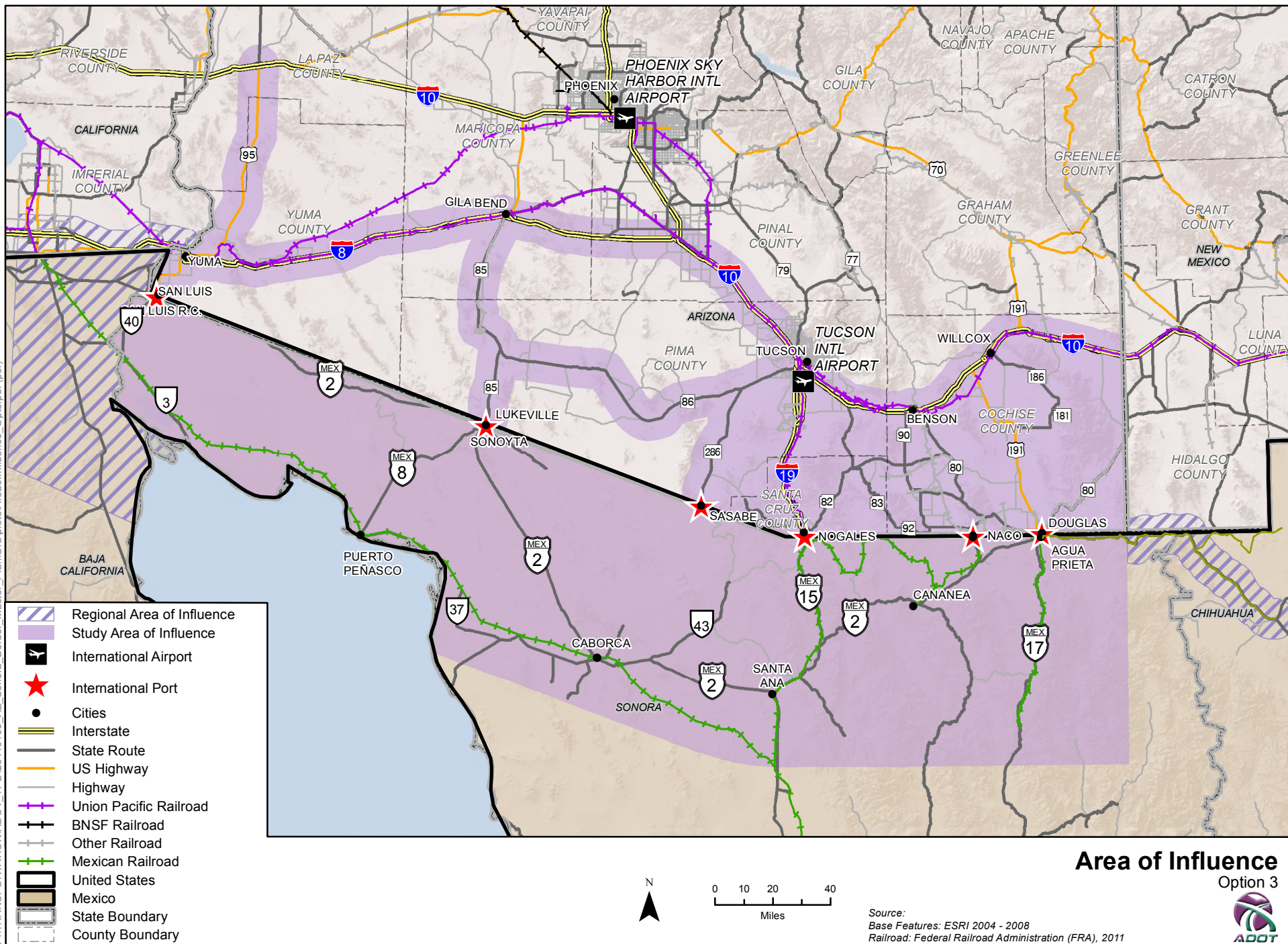


## Area of Influence

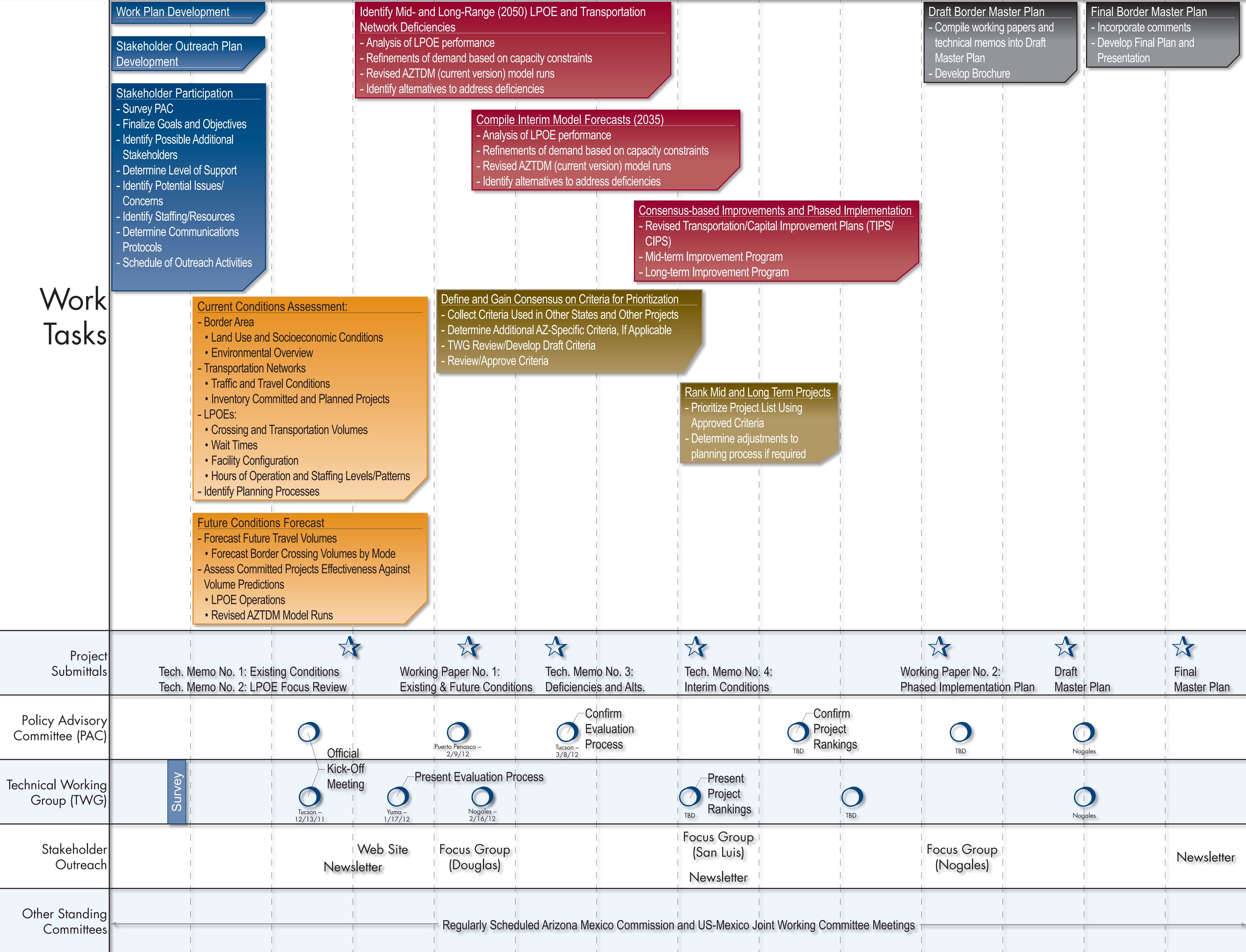
Option 2

Source:  
Base Features: ESRI 2004 - 2008  
Railroad: Federal Railroad Administration (FRA), 2010





Arizona-Sonora Border Master Plan Schedule														
	October	November	December	January	February	March	April	May	June	July	August	September	October	November



Legend:

- Project Submittals

Meetings

Task 1: Project Initiation

Task 2: Existing and Future Conditions

Task 3: Identify Mid and Long Term Operational and Infrastructure Needs

Task 4: Evaluate Mid and Long Term Transportation Projects

Task 5: Master Plan Development